

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	((("5275136") or ("5456222") or ("5335633") or ("20020184996"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/08 07:45
S2	43	pressure with difference with proportional with relief with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:29
S3	5920	pressure with difference with proportional	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/18 15:00
S4	1212	123/90.12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/18 16:11
S5	8	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/18 16:11
S6	2614	(123/90.15).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/18 16:11
S7	0	123/90.12,90.13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/18 16:11
S8	984	(123/90.12,90.13).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/20 08:30
S9	40889	pressure with difference with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/18 16:12
S10	62	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/18 16:12

## EAST Search History

S11	81085	relief adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:29
S12	2568	proportional adj solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:29
S13	83	S11 with S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 09:13
S14	984	(123/90.12,90.13).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/20 08:30
S15	1267	((123/90.12,90.13) or (92/60)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/20 08:30
S16	984	S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:30
S17	5	S12 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:31
S18	0	S13 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:31
S19	24	S13 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:33
S20	93291	pressure adj difference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:33

## EAST Search History

S21	21952	S20 with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:33
S22	304275	S21 relief	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:33
S23	769	S21 with relief	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:33
S24	1	S23 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:34
S25	20	S21 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:35
S26	478	S20 adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:35
S27	10	S20 adj relief adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 08:36
S28	5	("2091507"   "4236609"   "4563004"   "4890641").PN. OR ("5125430").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:44
S29	12	"5060688"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:44
S30	3672	solenoid with relief with valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:44
S31	19	S30 and S15	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:57

## EAST Search History

S32	79	proportional adj relief adj valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:58
S33	0	S32 with pressure with differenc	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:58
S34	2	S32 with pressure with difference	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 08:58
S35	1339	proportional with pressure with difference with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 09:14
S36	677	S35 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 09:17
S37	195593	((("123") or ("92")).CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/20 09:17
S38	49	S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 09:19
S39	913	(123/90.12).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/20 09:20
S40	25148536	@ad<"20031127"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 09:20
S41	662	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 09:20
S42	557	S41 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:30

## EAST Search History

S43	45	pressure adj pressure adj feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:30
S44	8	S43 and (spool adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:32
S45	2	pressure near difference near proportional near relief near valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:33
S46	2	pressure near2 difference near2 proportional near2 relief near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:33
S47	76	pressure near2 difference near2 proportional near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:49
S48	33	S47 and (check relief)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:35
S49	662	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:35
S50	17	S40 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:35
S51	567	(pressure adj difference) with proportional with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:50
S52	371	S40 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:50

## EAST Search History

S53	0	S52 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:50
S54	55	S37 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:52
S55	478	pressure adj difference adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:53
S56	0	S55 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 10:53
S57	349	S55 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:01
S58	2	S55 and variable adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:01
S59	9	S55 and (intake adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:03
S60	478	"pressure difference valve"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:03
S61	8	S60 and (engine adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:04
S62	1919	differential adj pressure adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:06

## EAST Search History

S63	1	S39 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:08
S64	18	S62 and (engine adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:09
S65	2	("4719749").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/20 12:35
S66	3	ling-junjie.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:41
S67	3	weng-zhentaο.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:41
S68	3	S66 S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:43
S69	2	("5417241").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/23 10:46
S70	1502	pressure with difference with relief with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:46
S71	628	(pressure adj difference) with (relief adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:47
S72	10	(pressure adj difference) adj (relief adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:55

## EAST Search History

S73	479	(pressure adj difference) adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 10:55
S74	49	S73 with piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 11:11
S75	22	pressure with difference with feedback with control with spool with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/23 11:11
S76	480	pressure adj difference adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/27 14:17
S77	14	S76 with advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/27 14:20
S78	17	S76 with function	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/27 14:34
S79	167	proportional adj relief adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/27 14:34
S80	5	S79 with pressure with difference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/27 14:34
S81	1	cn-1337539-\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/08 09:26
S82	2	("5275136").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/06 10:26



## EAST Search History

S83	4851279	pressure difference adj feedback adj control adj spool adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:29
S84	1	pressure adj difference adj feedback adj control adj spool adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:33
S85	6	pressure adj difference adj feedback adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:29
S86	19837	spool adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:29
S87	1	S85 with S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:29
S88	5	S85 and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:30
S89	0	pressure adj difference adj feedback adj control adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:33
S90	1	(pressure adj difference) near2 (feedback adj control) near2 (spool adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:34
S91	1	(pressure adj difference) with (feedback adj control) with (spool adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:34
S92	6	(pressure adj difference) same (feedback adj control) same (spool adj valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 07:34

## EAST Search History

S93	96040	pressure adj difference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/08 07:45
S94	83818	feedback adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/08 07:46
S95	19966	spool adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/08 07:46
S96	1	S93 with S94 with S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/08 07:46
S97	2	("5275136").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/08 09:28
S98	2	("20020184996").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/08 09:28